



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

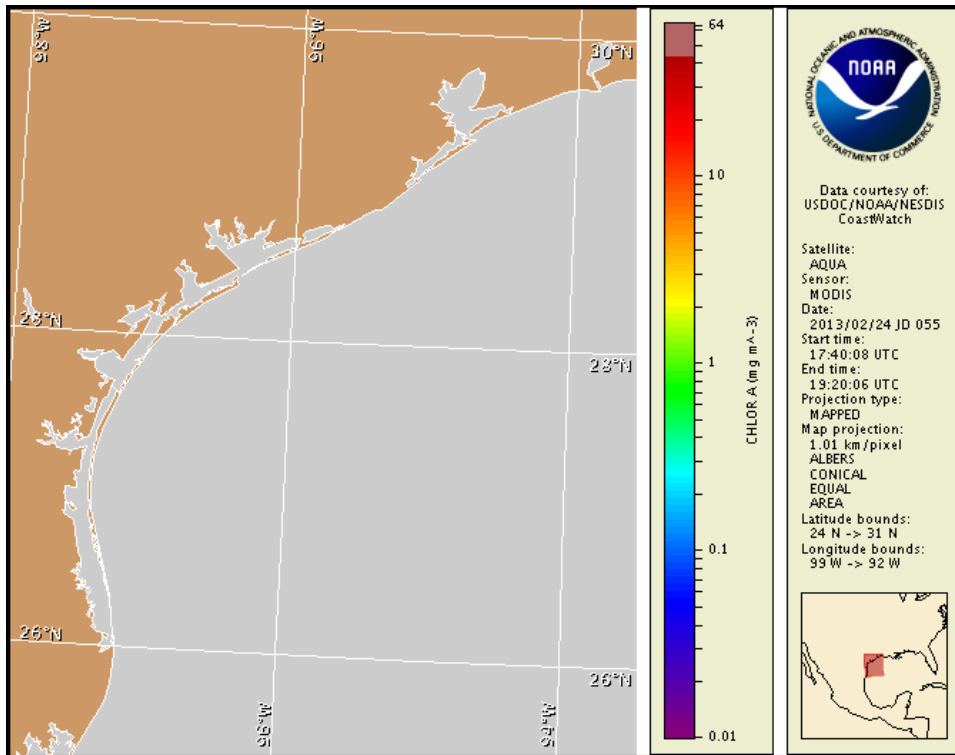
Monday, 25 February 2013

NOAA National Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Tuesday, February 19, 2013



Satellite chlorophyll image with possible *K. brevis* HAB areas shown by red polygon(s). Cell concentration sampling data from February 15 to 22 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). Cell count data are provided by Texas Parks and Wildlife Department. For a list of sample providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

Detailed sample information can be obtained through the Texas Parks and Wildlife Department at:

<http://www.tpwd.state.tx.us/landwater/water/enviroconcerns/hab/redtide/status.phtml>

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive:

<http://tidesandcurrents.noaa.gov/hab/bulletins.html>

Conditions Report

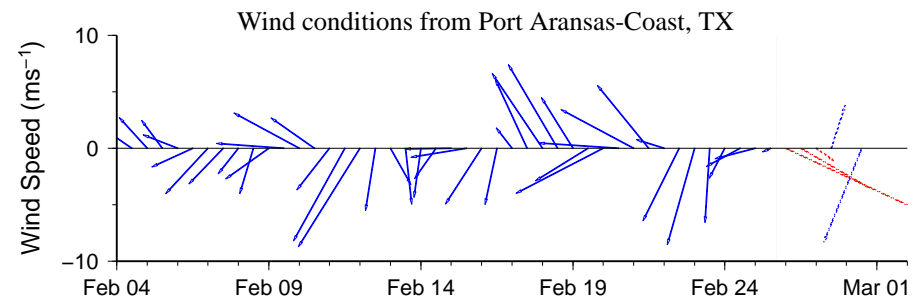
There is currently no indication of a harmful algal bloom of *Karenia brevis* (commonly known as Texas red tide) at the coast in Texas. No respiratory impacts are expected alongshore Texas today through Monday, March 4. For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Analysis

There is currently no indication of a harmful algal bloom of *Karenia brevis* at the coast in Texas. Recent MODIS imagery from 2/18-24 (2/24, shown left) has been completely obscured by clouds, preventing analysis.

Forecast models based on predicted near-surface currents indicate a negligible transport (<10 km) north from the Port Aransas region from February 24-28.

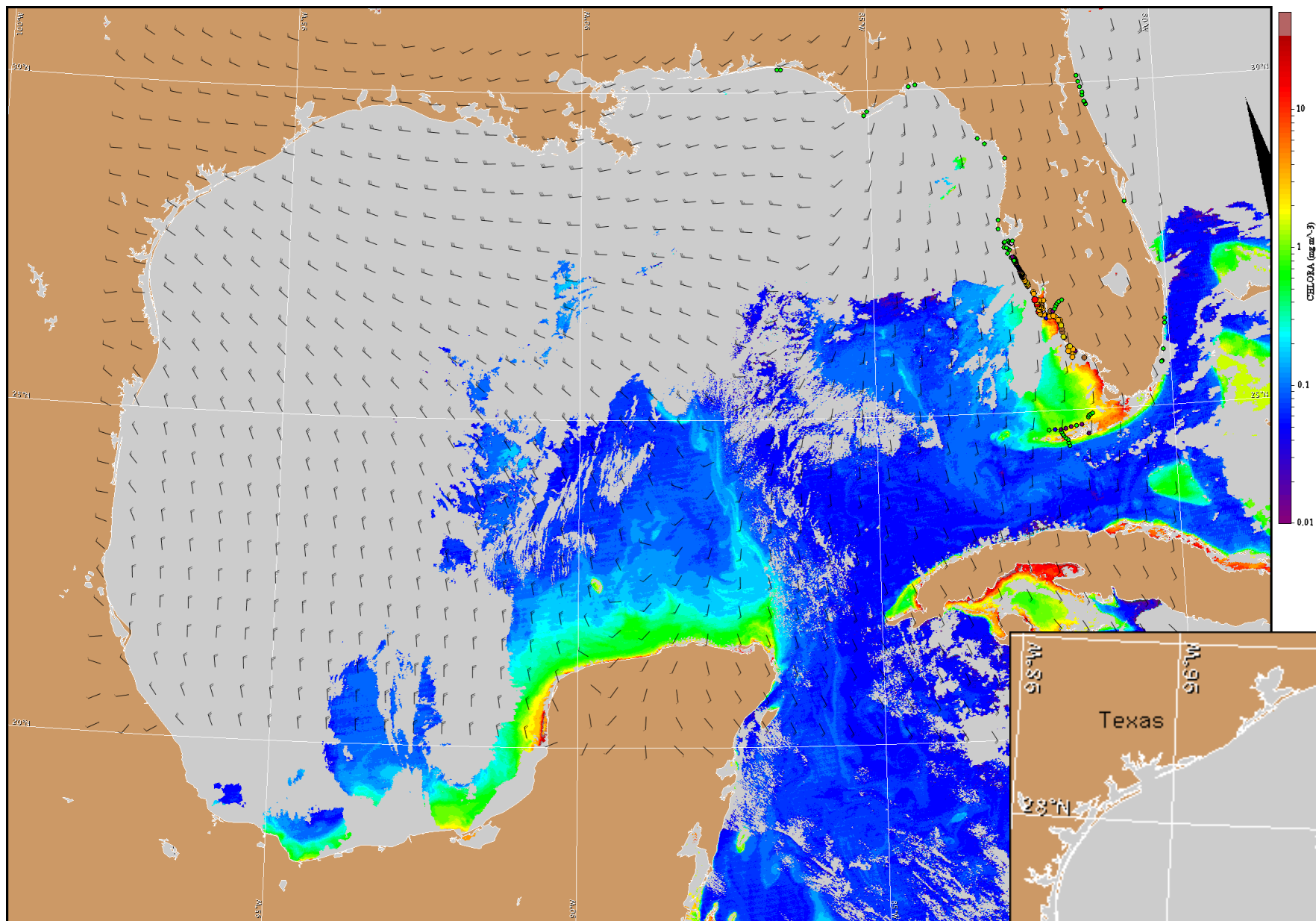
Kavanaugh, Derner



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

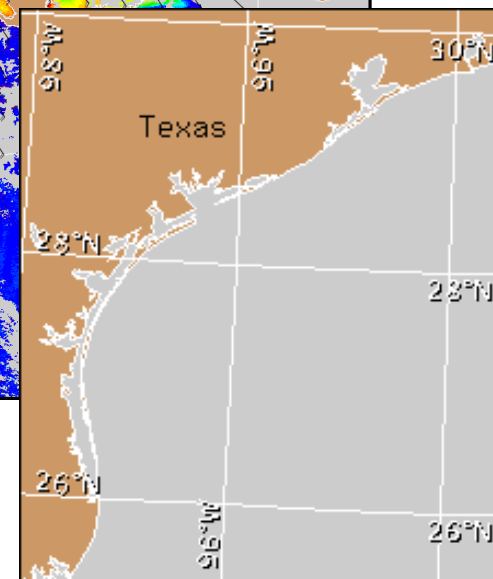
Wind Analysis

Port Aransas: West winds (25-30 kn, 13-15 m/s) today becoming northwest winds (15-35 kn, 8-18 m/s) this afternoon through Tuesday. West winds (10-15 kn, 5-8 m/s) Tuesday afternoon. South to southeast winds (5-10 kn, 3-5 m/s) Tuesday night through Wednesday becoming east winds Wednesday afternoon. North winds (10-20 kn, 5-10 m/s) Wednesday night through Friday night.



Satellite chlorophyll image and forecast winds for February 26, 2013 12Z with cell concentration sampling data from February 15 to 22 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). Cell count data are provided by Texas Parks and Wildlife Department. For a list of sample providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).